

SURFACE-COATED MACHINING TOOLS

Abstract of Disclosure

Surface-coated machining tools in particular utilized in routing, slitting and drilling processes on printed circuit boards onto which integrated circuits and various electronic parts are populated. A cemented-carbide base material containing tungsten carbide and cobalt, with the cobalt inclusion amount being 4 weight % or more and 12 weight % or less, is furnished. A compound thin film made up of a combination of one or more elements selected from the group titanium, chromium, vanadium, silicon and aluminum, and one or more selected from carbon and nitrogen, is coated over the cemented-carbide base material. The compound thin film is coated in at least a single layer.

Figures